

That Which is Claimed is:

1. A method for constructing a transmission line unit wherein load coils can be selectively connected to a transmission line, comprising:
providing a transmission line section having a transmission line and a plurality of load coils electrically connected thereto; and
connecting a switch terminal having a plurality of switches to the transmission line section, each of the switches electrically connected to a respective load coil and configured to selectively connect the respective load coil to the transmission line.
2. The method of Claim 1, wherein the plurality of load coils are provided in a load coil enclosure that is separate from the transmission line and the switch terminal.
3. The method of Claim 1, wherein each switch has a first switch position that connects the respective load coil in series with the transmission line, and a second switch position that disconnects the respective load coil from the transmission line.
4. The method of Claim 3, wherein the first switch position connects the respective load coil in series with the transmission line to configure the line for voice service, and wherein the second switch position disconnects the respective load coil from the transmission line to configure the line for DSL service.
5. The method of Claim 3, wherein the first switch position connects the respective load coil in series with the transmission line to maintain a predetermined line impedance, and wherein the second switch position disconnects the respective load coil from the transmission line to permit transmission of high frequency signals.
6. The method of Claim 3, wherein the transmission line comprises a plurality of incoming and outgoing wire pairs, wherein the first switch position electrically connects the respective load coil in series with a respective incoming and outgoing wire pair, and wherein the second switch position electrically connects the respective incoming and outgoing wire pair to bypass the respective load coil.

7. The method of Claim 1, wherein each of the plurality of switches is configured to be controlled electronically from a remote location.

8. The method of Claim 1, wherein the plurality of switches are mounted on a plurality of panels that are pivotally mounted within the switch terminal, so that each panel is rotatable to provide access to the plurality of switches.

9. A method for selectively connecting load coils to a transmission line, comprising:

providing a transmission line section having a transmission line and a plurality of load coils electrically connected thereto;

connecting a switch terminal having a plurality of switches to the transmission line section, each of the switches electrically connected to a respective load coil; and

activating each switch to a first position or a second position, wherein the first switch position connects the respective load coil in series with the transmission line, and wherein the second switch position disconnects the respective load coil from the transmission line to selectively connect the load coil to the transmission line.

10. A transmission line system wherein load coils can be selectively connected to a transmission line, comprising:

a transmission line section having a transmission line and a plurality of load coils electrically connected thereto; and

a switch terminal separate from the plurality of load coils, the switch terminal having a plurality of switches connected to the transmission line section, wherein each of the switches is electrically connected to a respective load coil and configured to selectively connect the respective load coil to the transmission line.

11. The system of Claim 10, wherein the plurality of load coils are provided in a load coil enclosure that is separate from the transmission line and the switch terminal.

12. The system of Claim 10, wherein each switch has a first switch position that connects the respective load coil in series with the transmission line, and

wherein each switch has a second switch position that disconnects the respective load coil from the transmission line.

13. The system of Claim 12, wherein the first switch position connects the respective load coil in series with the transmission line to configure the line for voice service, and wherein the second switch position disconnects the respective load coil from the transmission line to configure the line for DSL service.

14. The system of Claim 12, wherein the first switch position connects the respective load coil in series with the transmission line to maintain a predetermined line impedance, and wherein the second switch position disconnects the respective load coil from the transmission line to permit transmission of high frequency signals.

15. The system of Claim 12, wherein the transmission line comprises a plurality of incoming and outgoing wire pairs, wherein the first switch position electrically connects the respective load coil in series with a respective incoming and outgoing wire pair, and wherein the second switch position electrically connects the respective incoming and outgoing wire pair to bypass the respective load coil.

16. The system of Claim 10, wherein each of the plurality of switches is configured to be controlled electronically from a remote location.

17. The system of Claim 10, wherein the plurality of switches are mounted on a plurality of panels that are pivotally mounted within the switch terminal, so that each panel is rotatable to provide access to the plurality of switches.

18. The system of Claim 10, wherein the plurality of switches are electrically connected to the transmission line using punch-down connections.

19. A switch terminal for selectively connecting load coils in a separate load coil enclosure to a transmission line, comprising:

a terminal housing;

a panel pivotally mounted within the housing so that the panel may be rotated about an axis perpendicular to the mounting point; and

a plurality of switches mounted on the panel, wherein each of the switches is configured to be electrically connected to a respective load coil and is further configured to selectively connect the respective load coil to the transmission line.

20. The switch terminal of Claim 19, wherein the panel is pivotally mounted to a sliding connector bracket attached to the housing that is configured to extend from and retract within the housing.

21. The switch terminal of Claim 20, wherein the sliding bracket is crescent-shaped.

22. The switch terminal of Claim 19, wherein each switch has a first switch position that connects the respective load coil in series with the transmission line, and a second switch position that disconnects the respective load coil from the transmission line.

23. The switch terminal of Claim 22, wherein the first switch position connects the respective load coil in series with the transmission line to configure the line for voice service, and wherein the second switch position disconnects the respective load coil from the transmission line to configure the line for DSL service.

24. The switch terminal of Claim 22, wherein the first switch position connects the respective load coil in series with the transmission line to maintain a predetermined line impedance, and wherein the second switch position disconnects the respective load coil from the transmission line to permit transmission of high frequency signals.

25. The switch terminal of Claim 22, wherein the transmission line comprises a plurality of incoming and outgoing wire pairs, wherein the first switch position electrically connects the respective load coil in series with a respective incoming and outgoing wire pair, and wherein the second switch position electrically connects the respective incoming and outgoing wire pair to bypass the respective load coil.

26. The switch terminal of Claim 19, wherein each of the plurality of switches is configured to be controlled electronically from a remote location.

27. The switch terminal of Claim 19, wherein the plurality of switches are electrically connected to the transmission line using punch-down connections.

28. A switch terminal for selectively connecting load coils to a transmission line, comprising:

- a terminal housing;

- a sliding connector bracket attached to the housing and configured to extend from and retract within the housing, wherein the bracket is configured to accept a plurality of panels;

- a plurality of panels within the housing, wherein each panel is pivotally connected with the connector bracket so that each panel may be rotated about one of a series of parallel axes of rotation; and

- a plurality of switches mounted on each panel, each of the switches being electrically connected to a respective load coil and configured to selectively connect the respective load coil to the transmission line.